

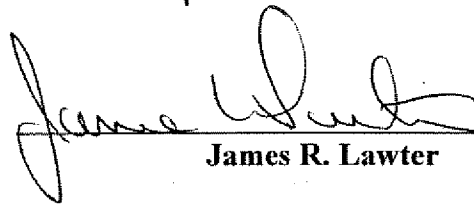
ASSIGNMENT

We, James R. Lawter of 475 Prince William Court, Yardley, Pennsylvania 19067, Michael G. Lanzilotti of 5 Clearview Drive, Newtown, Pennsylvania 18940, Mark Bates of 57 Burgess Avenue, Westwood, Massachusetts 02090, and Gregory H. Hunter of 32 Cedar Hill Road, Dover, Massachusetts 02030, in consideration of ten dollars and other valuable consideration paid to us by OraPharma, Inc., a corporation of the State of Delaware, having its principal place of business at 732 Louis Drive, Warminster, Pennsylvania 18974, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said OraPharma, Inc., its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "*Dispensing Apparatus and Cartridge*" described in U.S. Serial No. 10/112,450 filed in the United States Patent and Trademark Office on March 29, 2002, by James R. Lawter, Michael G. Lanzilotti, Mark Bates, and Gregory H. Hunter, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any provisional, divisional, continuation, continuation-in-part, reissue, or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation, and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

Title: "Dispensing Apparatus and Cartridge"
By: James R. Lawter, Michael G. Lanzilotti,
Mark Bates, and Gregory H. Hunter
Filed: March 29, 2002
ASSIGNMENT


And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 16th day of April, 2002.

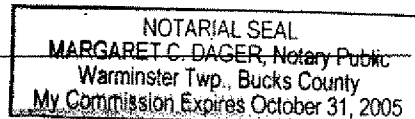

James R. Lawter

Commonwealth of Pennsylvania)
County of Bucks)

Then personally appeared the above named James R. Lawter and acknowledged the foregoing instrument to be his free act and deed, before me this 16th day of April, 2002.


Notary Public

My Commission expires:



Title: "Dispensing Apparatus and Cartridge"
By: James R. Lawter, Michael G. Lanzilotti,
Mark Bates, and Gregory H. Hunter
Filed: March 29, 2002
ASSIGNMENT

WITNESS my hand and seal this 16th day of April, 2002.

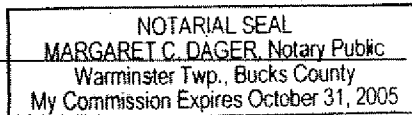
Michael G. Lanzilotti
Michael G. Lanzilotti

Commonwealth of Pennsylvania)
County of Bucks)

Then personally appeared the above named Michael G. Lanzilotti and
acknowledged the foregoing instrument to be his free act and deed, before me this
16th day of April, 2002.

Margaret C. Dager
Notary Public

My Commission expires:



Title: "Dispensing Apparatus and Cartridge"
By: James R. Lawter, Michael G. Lanzilotti,
Mark Bates, and Gregory H. Hunter
Filed: March 29, 2002
ASSIGNMENT

WITNESS my hand and seal this 1 day of MAY, 2002.

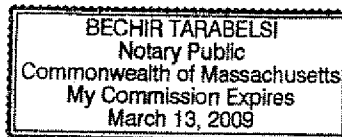

Mark Bates

Commonwealth of Massachusetts)
County of Middlesex)

Then personally appeared the above named Mark Bates and acknowledged the foregoing instrument to be his free act and deed, before me this 1 day of MAY, 2002.

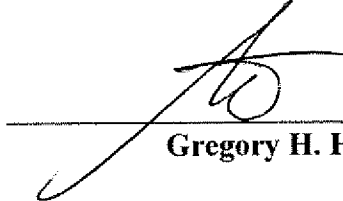

Notary Public

My Commission expires: MARCH 13, 2009



Title: "Dispensing Apparatus and Cartridge"
By: James R. Lawter, Michael G. Lanzilotti,
Mark Bates, and Gregory H. Hunter
Filed: March 29, 2002
ASSIGNMENT

WITNESS my hand and seal this 6th day of May, 2002.



Gregory H. Hunter

Commonwealth of Massachusetts)
County of Middlesex)

Then personally appeared the above named Gregory H. Hunter and acknowledged
the foregoing instrument to be his free act and deed, before me this 6th day of
May, 2002.



Notary Public

My Commission expires: 11/10/06

ATL1 #518241 v1